



Name: \_\_\_\_\_

## Graph It!

### How is water measured in a river?

The amount of water in a river changes daily, seasonally, and year to year. Hydrologists measure the river's streamflow (the amount of water passing through) at gaging stations (flow measuring stations) and make hydrographs (charts). A discharge hydrograph records the streamflow at one spot on the river over a period of time in cubic feet per second (cfs). Rainfall amounts and data from stream gaging stations help hydrologists plan for the needs of water users within a watershed, including: drinking water, water for crops and livestock, manufacturing and shipping products, fish and wildlife, and recreation.

**Directions:** in the chart below, record the streamflow for each season from the simulation.

Imagine that this is a seasonal average and that each bead equals 10 cfs.

### Data

Season	# of Beads	# of Beads x 10 cfs = total cfs
Winter		
Spring		
Summer		
Fall		



**FALL**

<http://waterdata.usgs.gov/nwis/rt>